

Serial No. 10/006,982 Docket No. 100086.401C11
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"

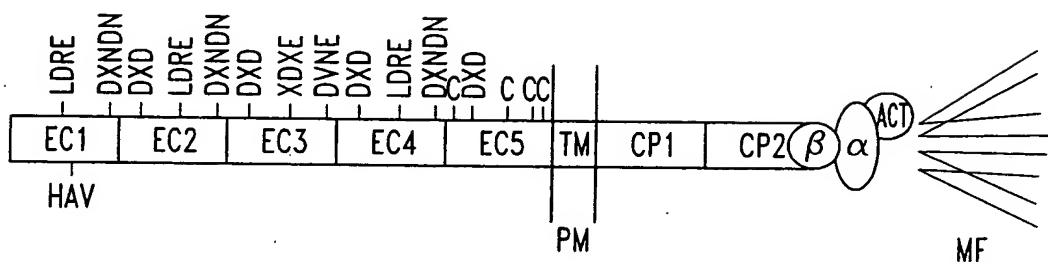


Fig. 1



human	N-cad	DWVIPPINLPENSRGFPQELVRISDRDKNLSLRYSVTGPGADQPPTGIFILNPISSGQLSVTKPLDREQ	human	N-cad	DWVIPPINLPENSRGFPQELVRISDRDKNLSLRYSVTGPGADQPPTGIFINPISGQLSVTKPLDREL
mouse	N-cad	DWVIPPINLPENSRGFPQELVRISDRDKNLSLRYSVTGPGADQPPTGIFINPISGQLSVTKPLDREL	cow	N-cad	DWVIPPINLPENSRGFPQELVRISDRDKNLSLRYSVTGPGADQPPTGIFINPISGQLSVTKPLDREL
human	P-cad	DWVVAPISVPENGKGPFPQRLNQLKSNKDRDTKIFYSITGPGADSPPPEGVFAVEKETGWLILLNKPDLREE	mouse	P-cad	DWVVAPISVPENGKGPFPQRLNQLKSNKDRDTKIFYSITGPGADSPPPEGVFAVEKETGWLILLNKPDLREE
mouse	P-cad	EWVMPFPFVPPENGKGPFPQRLNQLKSNKDRGTKIFYSITGPGADSPPPEGVFTIEKESGWLLLHMPLDREK	human	E-cad	DWVIPPISCPENEKGPFPKNLVQIKSNKDKKEGKVFYISITGQADTPPVGVFIERETGWLKVTEPLDRER
human	E-cad	DWVIPPISCPENEKGPFPKNLVQIKSNRDKETKVFYSITGQGADKPPVGVFIERETGWLKVTEPLDRER	mouse	E-cad	DWVIPPISCPENEKGEFPKNLVQIKSNRDKETKVFYSITGQGADKPPVGVFIERETGWLKVTEPLDRER
human	N-cad	IARFHRLRAHADINGNQVENPIDIVINVIDMNDNRPEF	human	N-cad	IARFHRLRAHADINGNQVENPIDIVINVIDMNDNRPEF
mouse	N-cad	IARFHRLRAHADINGNQVENPIDIVINVIDMNDNRPEF	mouse	N-cad	IARFHRLRAHADINGNQVENPIDIVINVIDMNDNRPEF
cow	N-cad	IARFHRLRAHADINGNQVENPIDIVINVIDMNDNRPEF	human	P-cad	IAKYELFGHAYSENGASVEDPMNISIIVTDQNDHKPKF
human	P-cad	IAKYELFGHAYSENGASVEPMNISIIVTDQNDHKPKF	mouse	P-cad	IVKYELYGHAYSENGASVEPMNISIIVTDQNDNKPKF
mouse	P-cad	IVKYELYGHAYSENGASVEPMNISIIVTDQNDNKPKF	human	E-cad	IATYTLFSHAWSSNGNAVEDPMELITVTDQNDNKPEF
human	E-cad	IATYTLFSHAWSSNGNAVEDPMELITVTDQNDNKPEF	mouse	E-cad	IAKYILYSHAWSSNGEAEDPMELIVTVTQNDNRPEF

Fig. 2

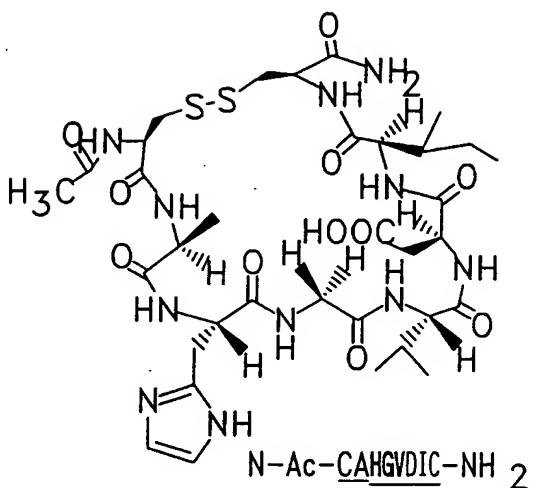
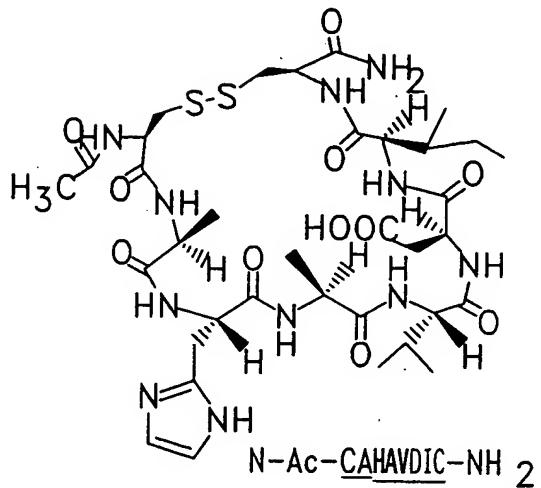
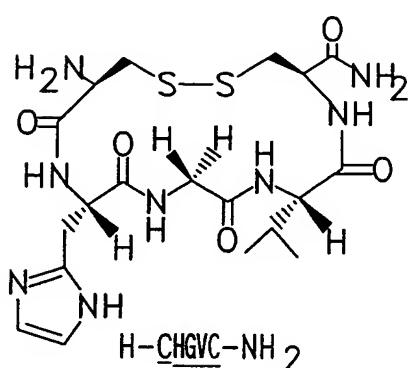
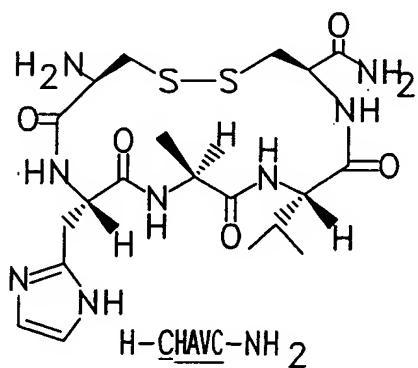
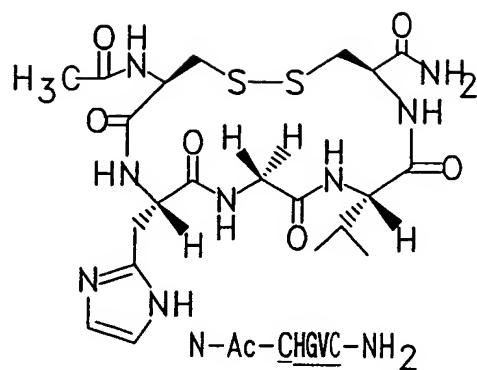
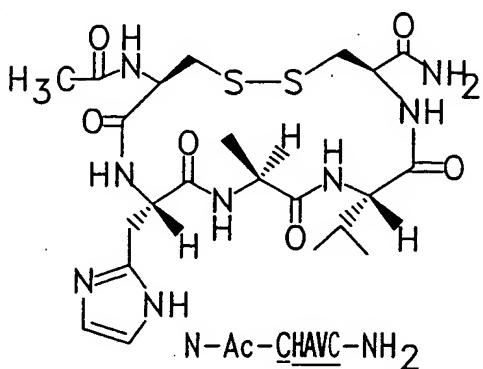


Fig. 3A

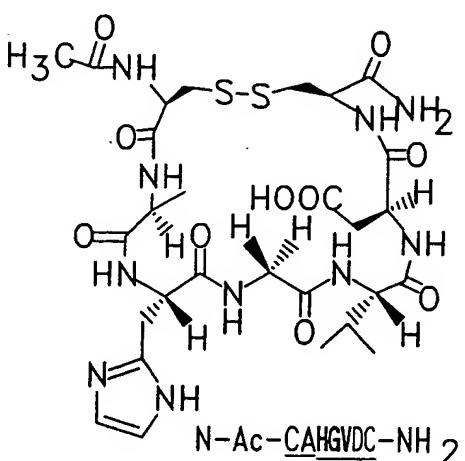
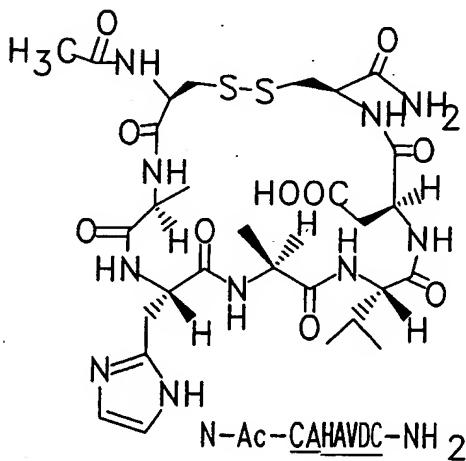
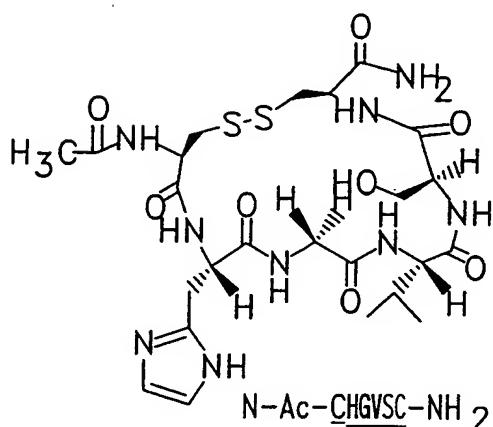
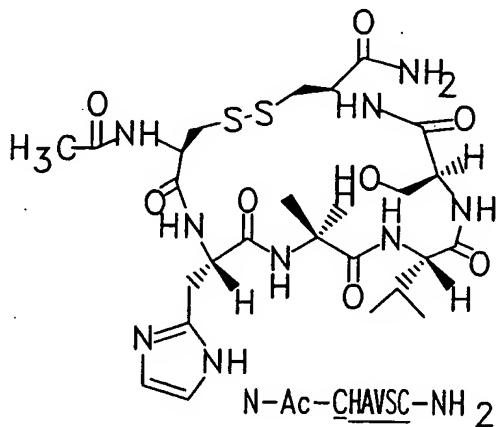
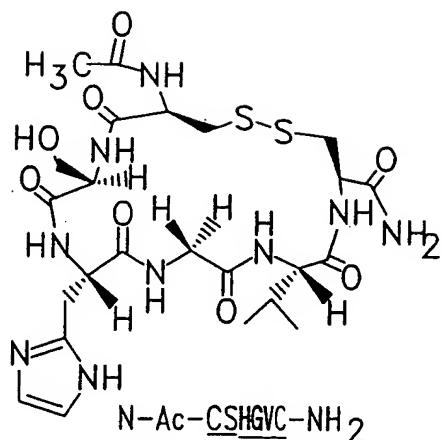
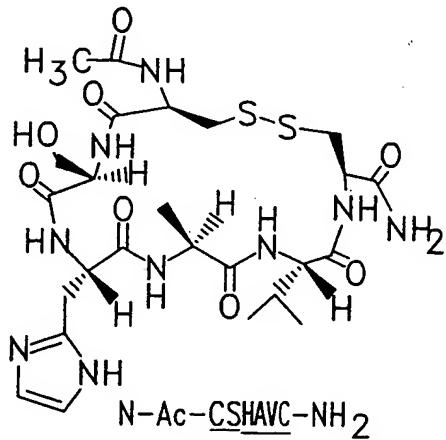


Fig. 3B

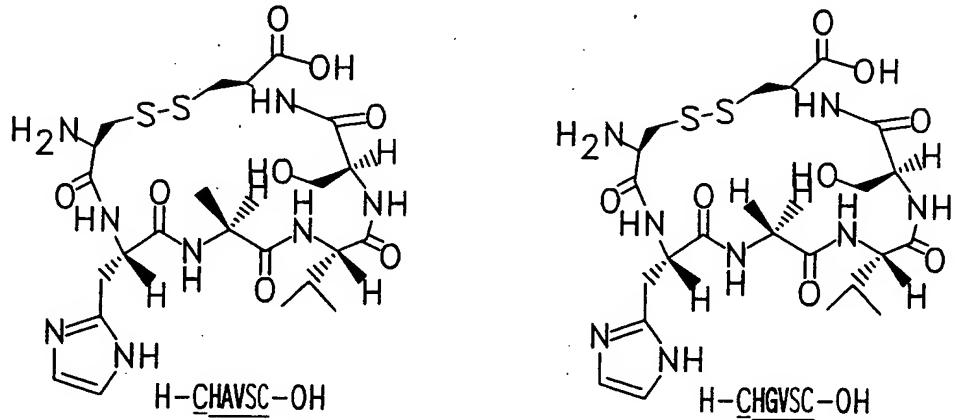
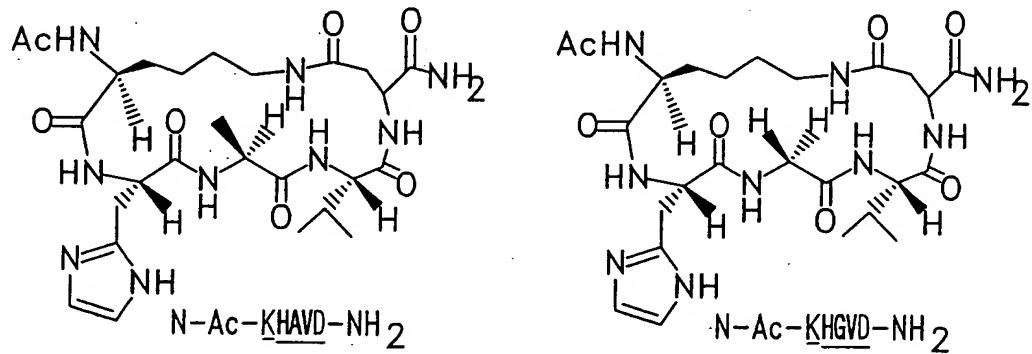
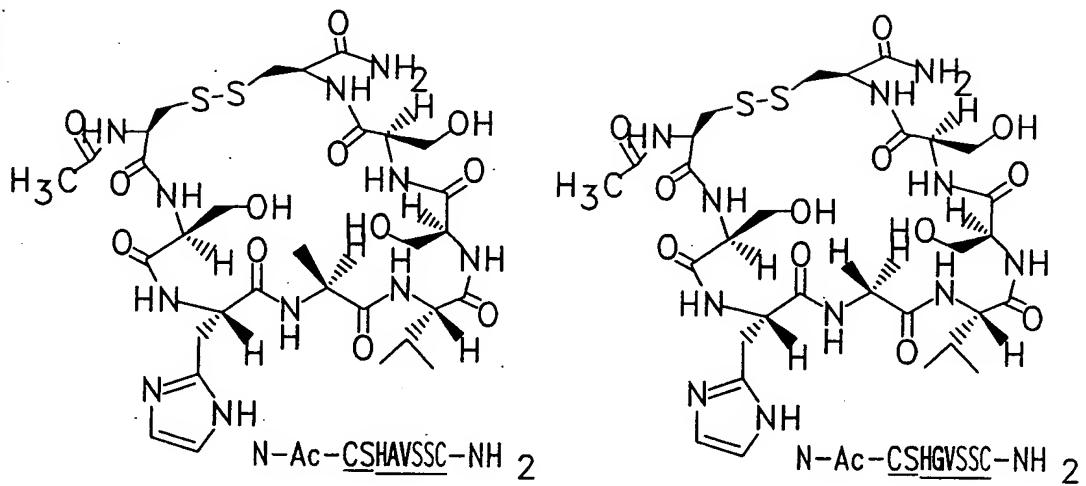


Fig. 3C

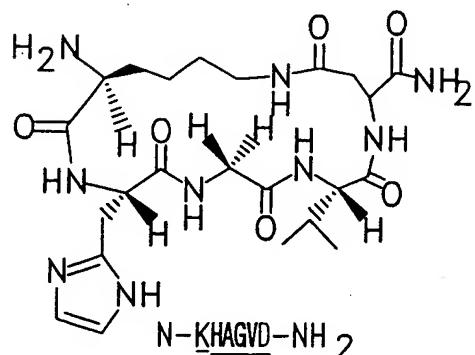
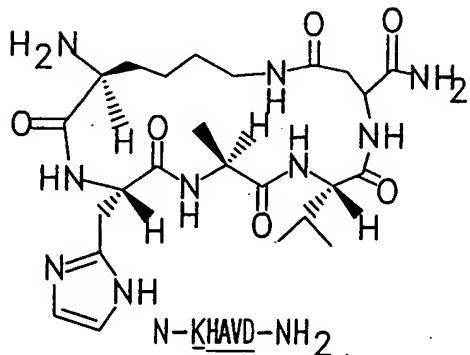
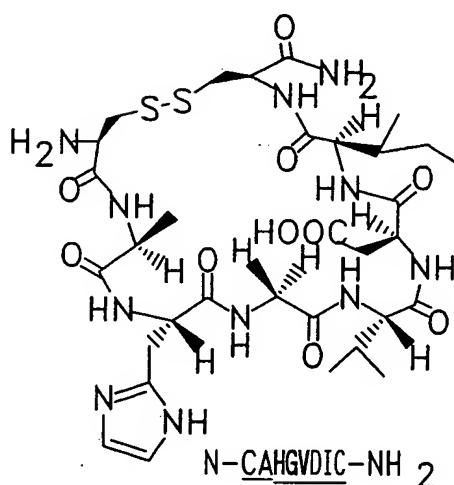
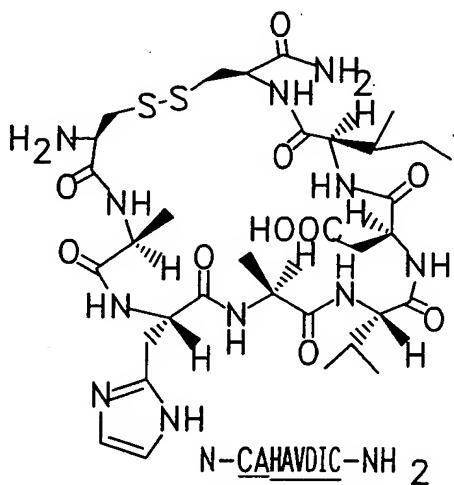
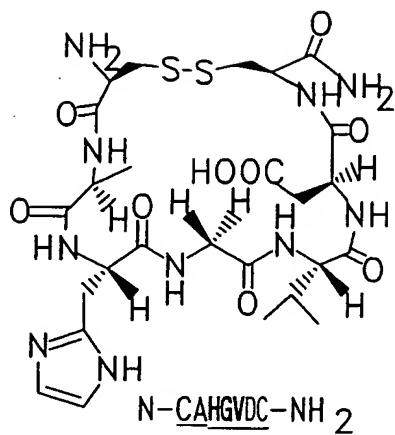
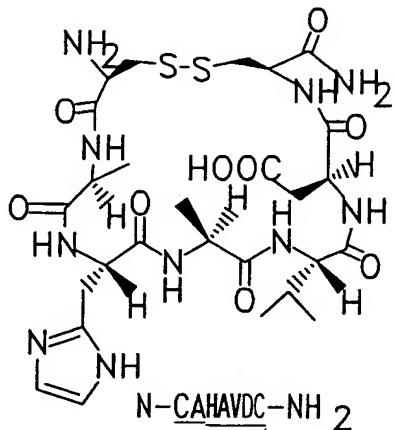
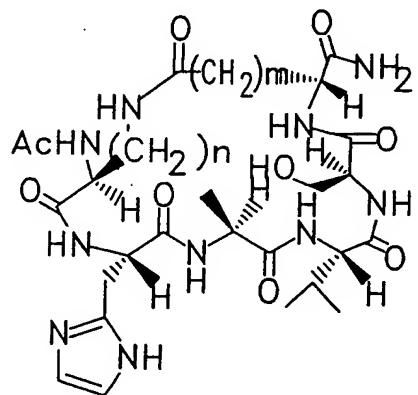
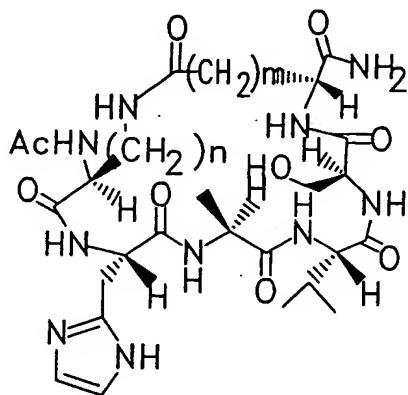
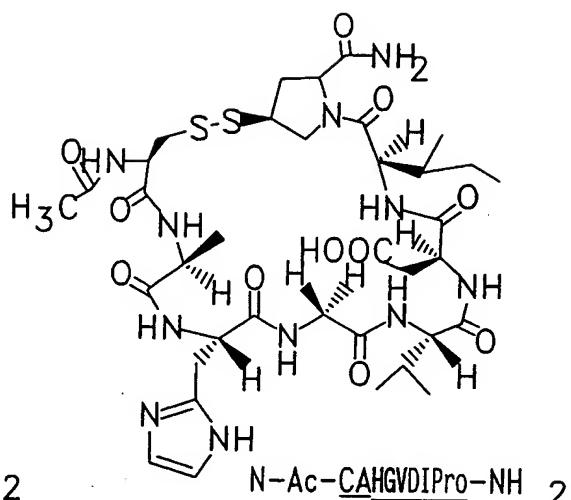
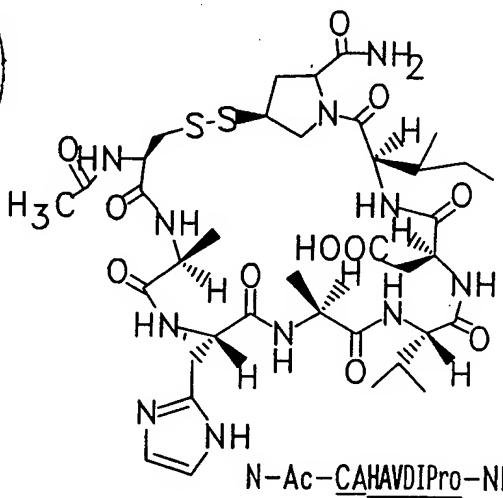
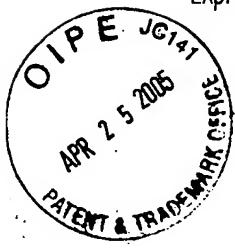


Fig. 3D



A_2B_4 = 2,4-diaminobutyric acid
 N-Ac-(A_2B_4)HAVSG-NH₂ n=3, m=2
 N-Ac-OmHAVS-NH n=2, m=3

N-Ac-(A_2B_4)HAVSG-NH₂ n=3, m=2
 N-Ac-OmHAVS-NH n=2, m=3

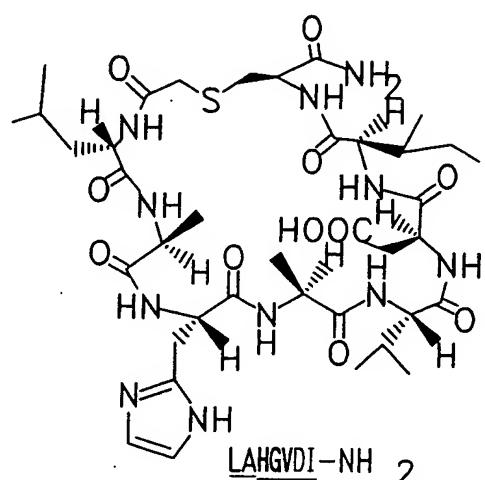
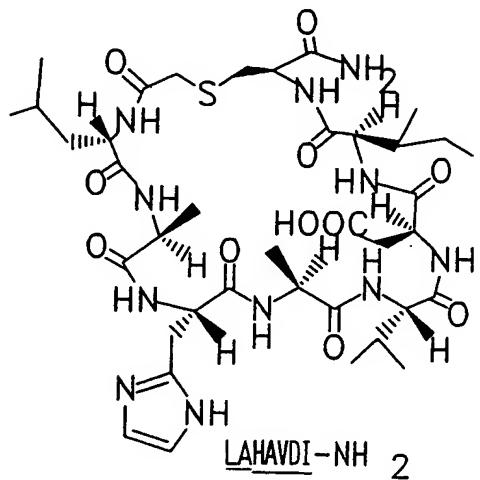


Fig. 3E

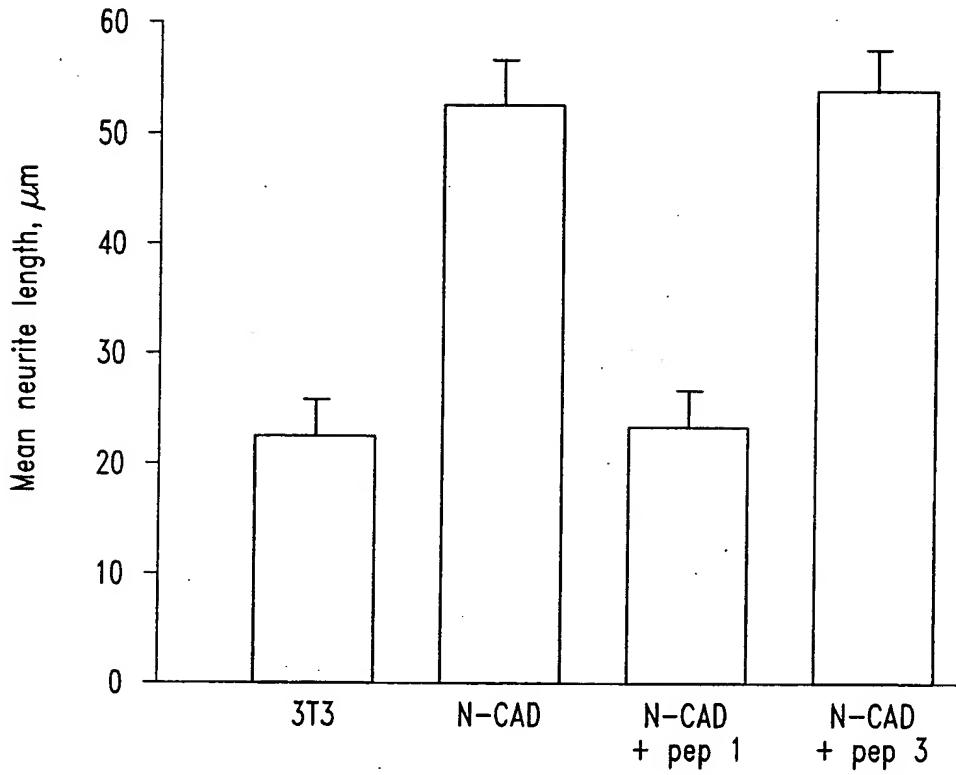


Fig. 4

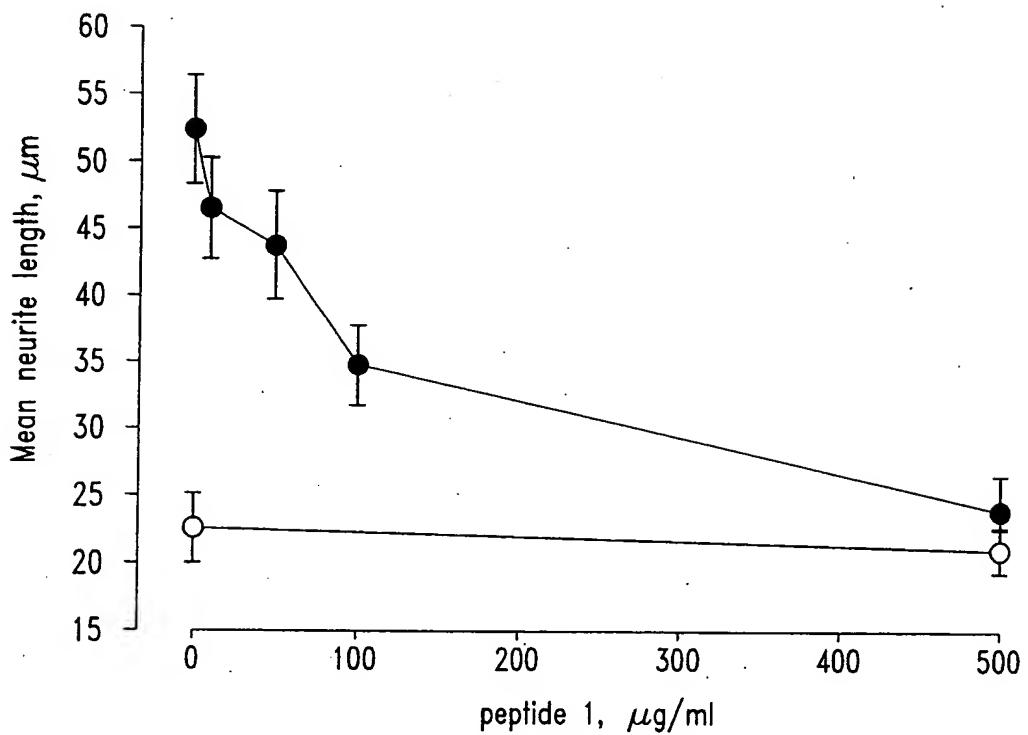


Fig. 5

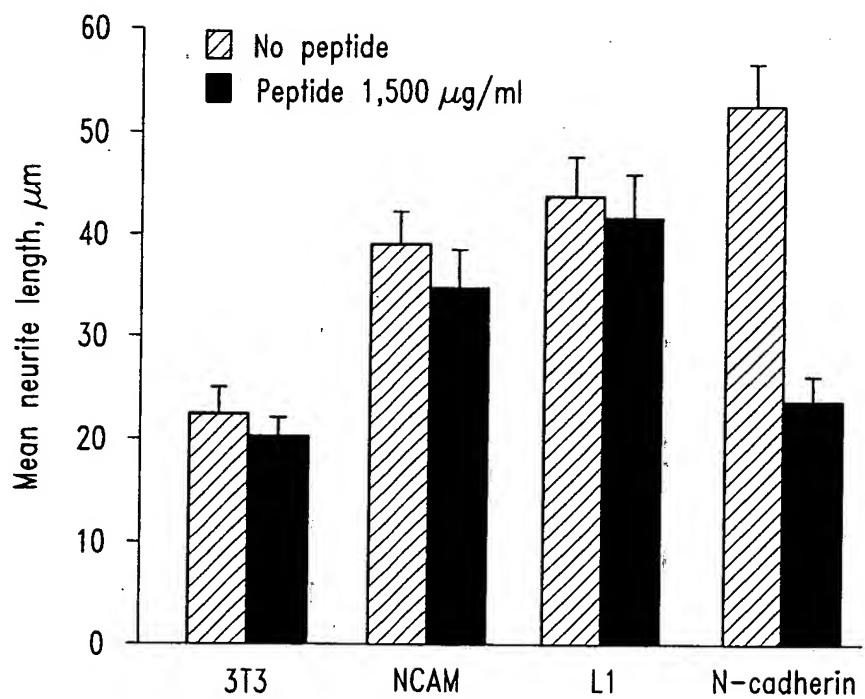


Fig. 6

Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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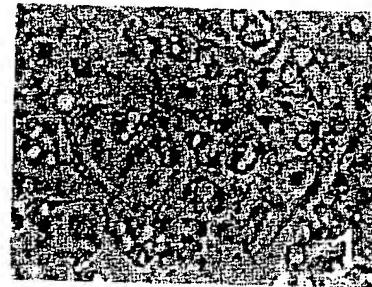
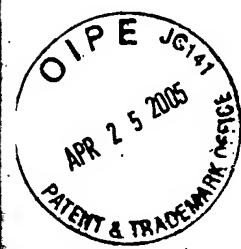


FIG. 7A

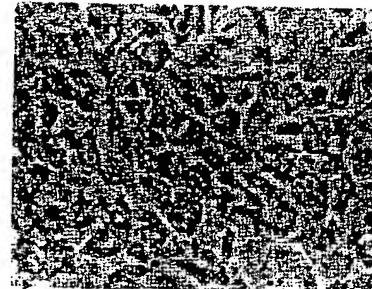


FIG. 7B

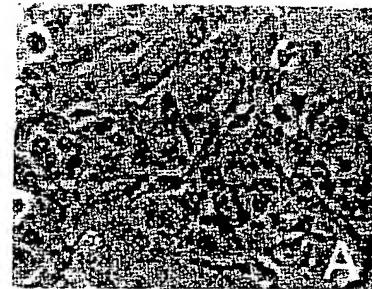


FIG. 7C

INVENTOR NO. 10,000,902 DATED NO. 1000000.401011
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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FIG. 8A

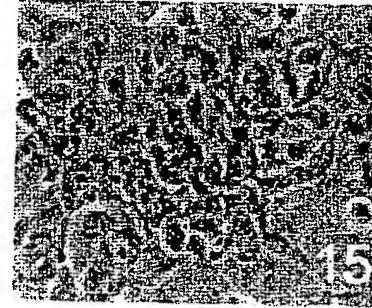


FIG. 8B

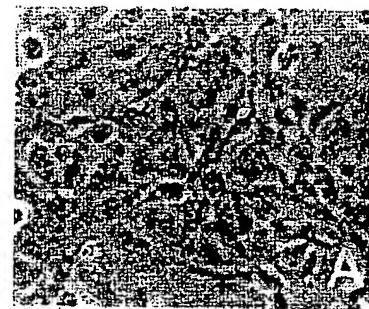


FIG. 8C

Serial No. 20/000,002 Docket No. 1000000.401611
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"

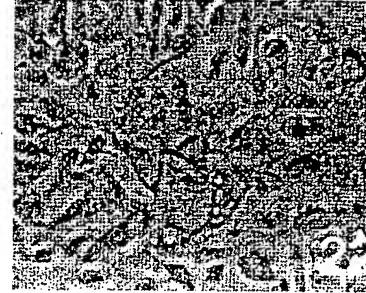


FIG. 9A



FIG. 9B

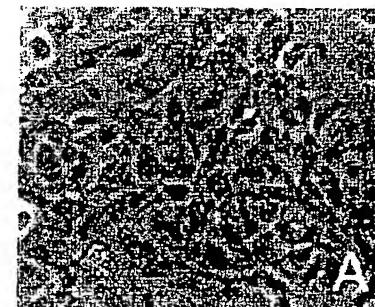


FIG. 9C

Serial No. 107000,902 Docket No. 100080.401611
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"



FIG. 10A

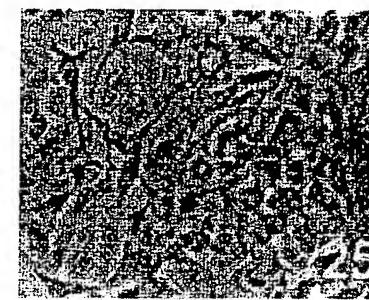


FIG. 10B

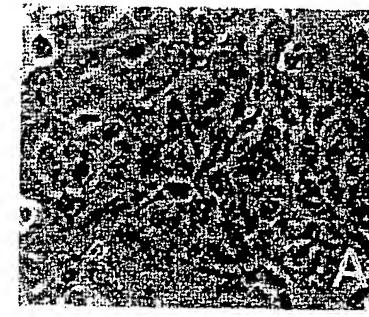


FIG. 10C

Serial No. 10/335,302 Docket No. 100000.401011
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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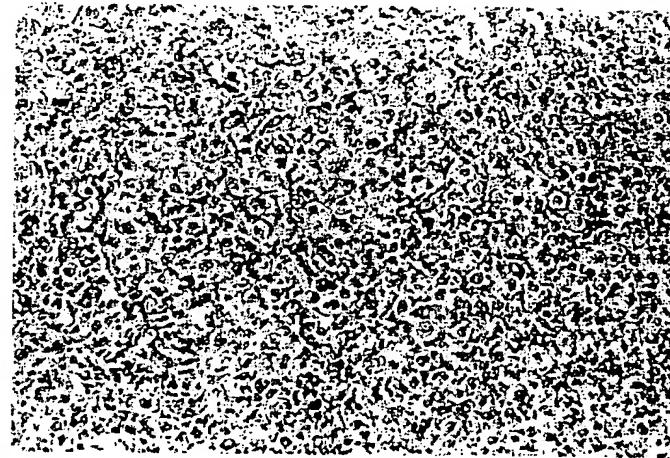


FIG. 11A

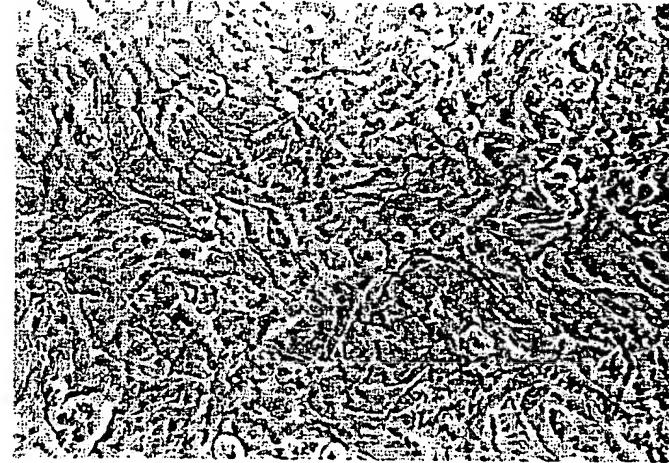


FIG. 11B

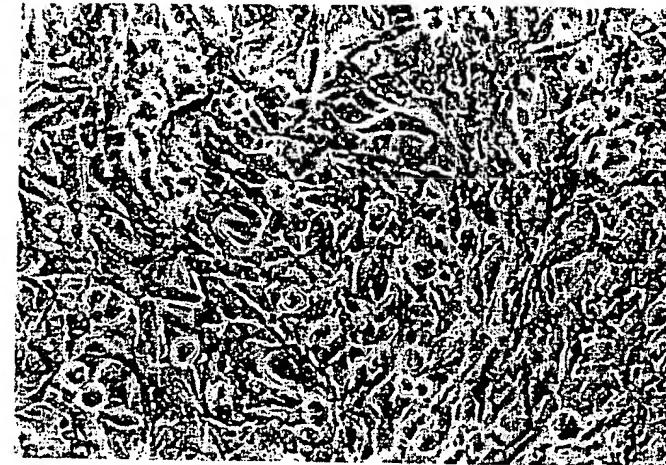


FIG. 11C

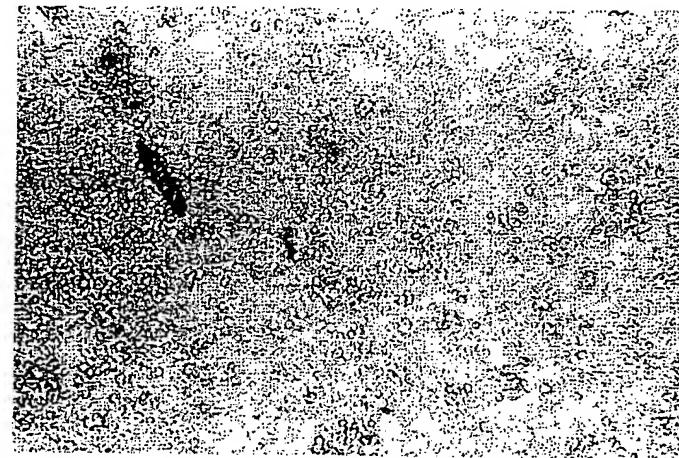


FIG. 11D

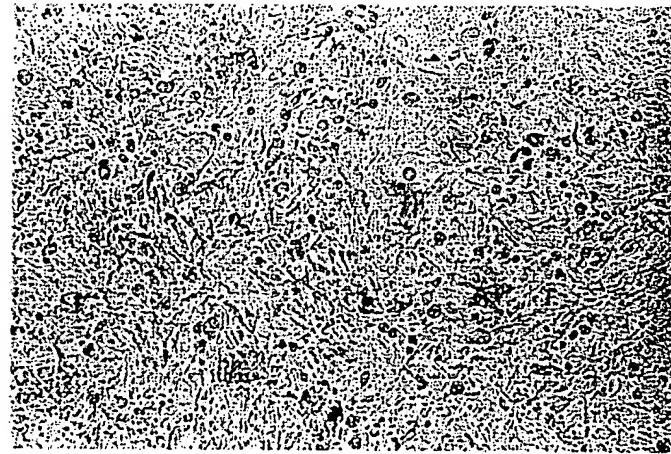


FIG. 11E

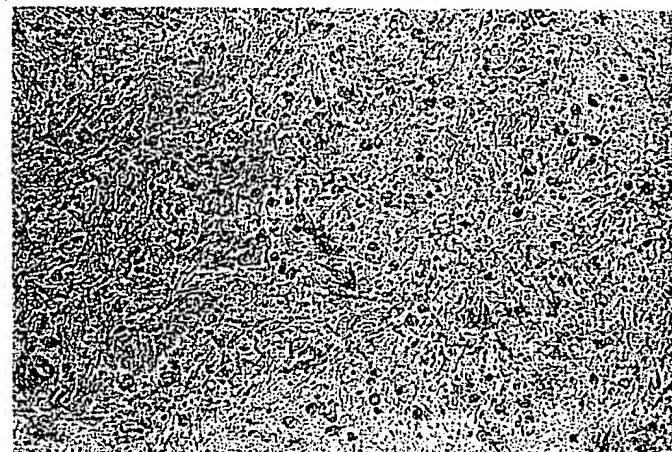


FIG. 11F

Serial No. 10/000,502 Docket No. 100000.401611
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"

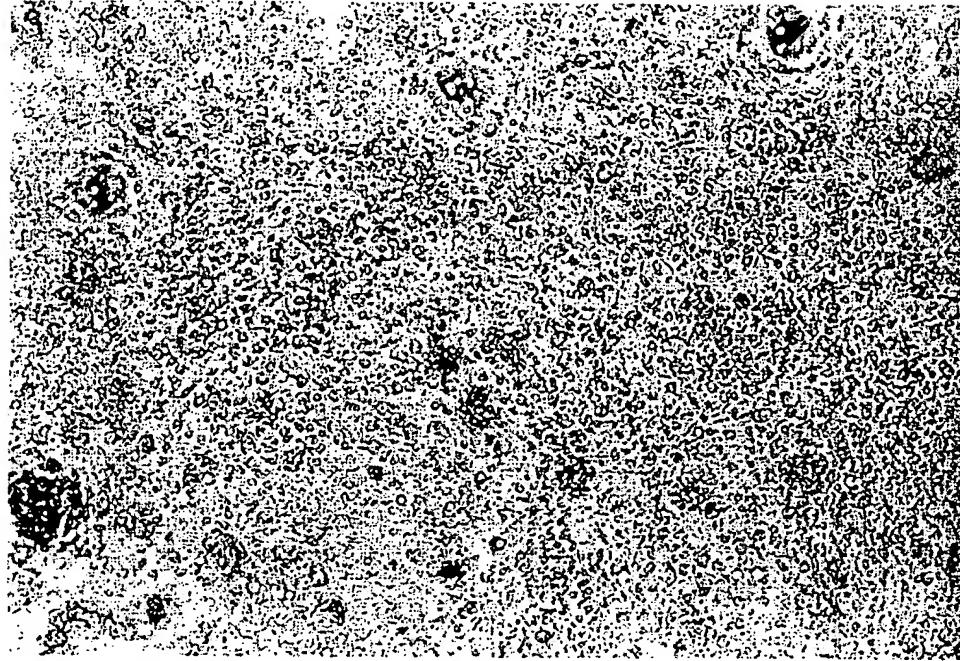


FIG. 12A

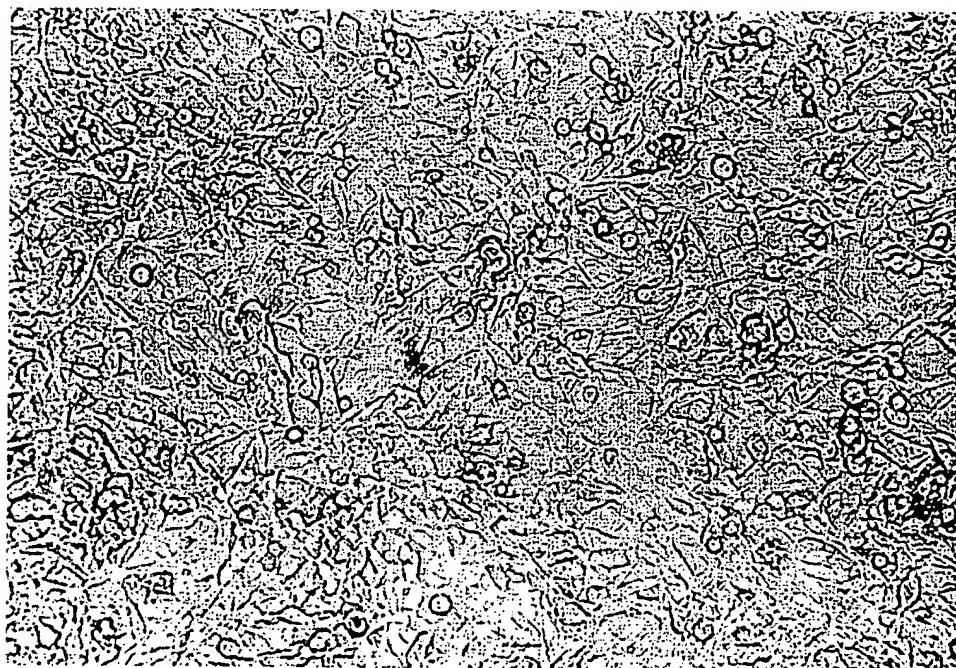


FIG. 12B

Serial No. 10/000,902 Docket No. 100086.401C11
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"



Untreated

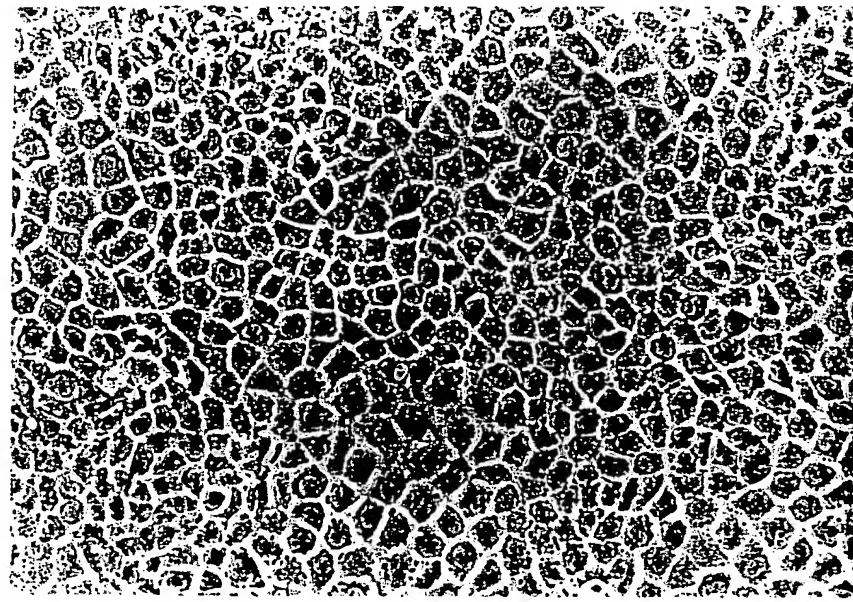


FIG. 13A

HAVS

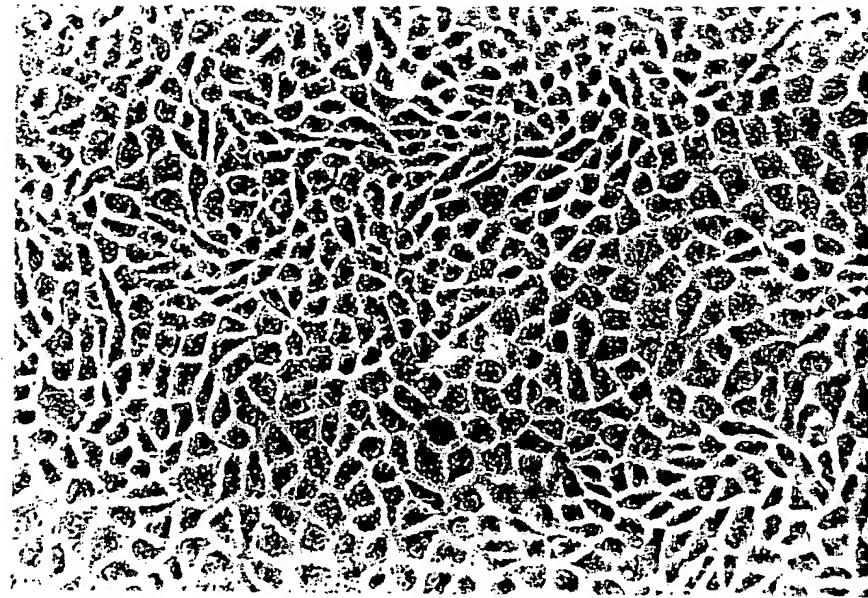


FIG. 13B

SERIAL NO. 10/1000,982 Docket No. 100000.401011
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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HGV

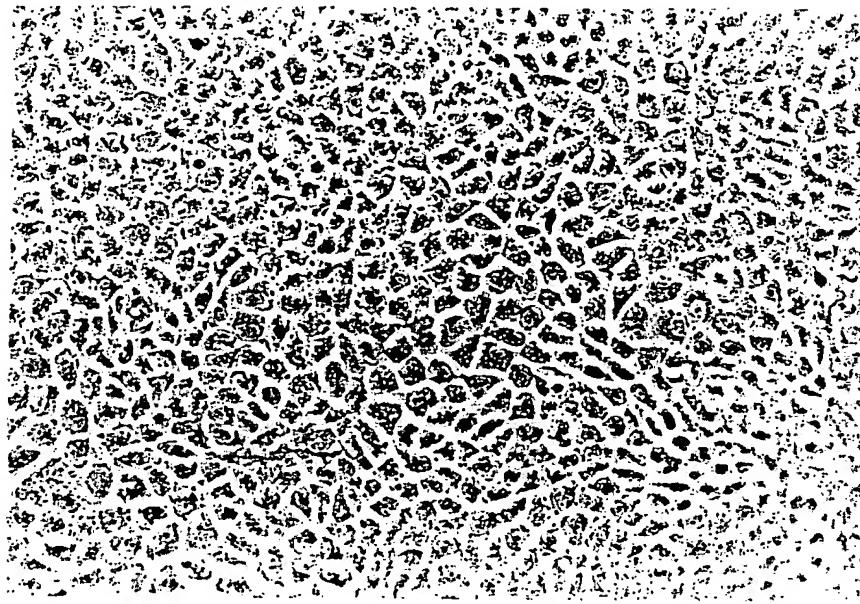


FIG. 13C

HAV

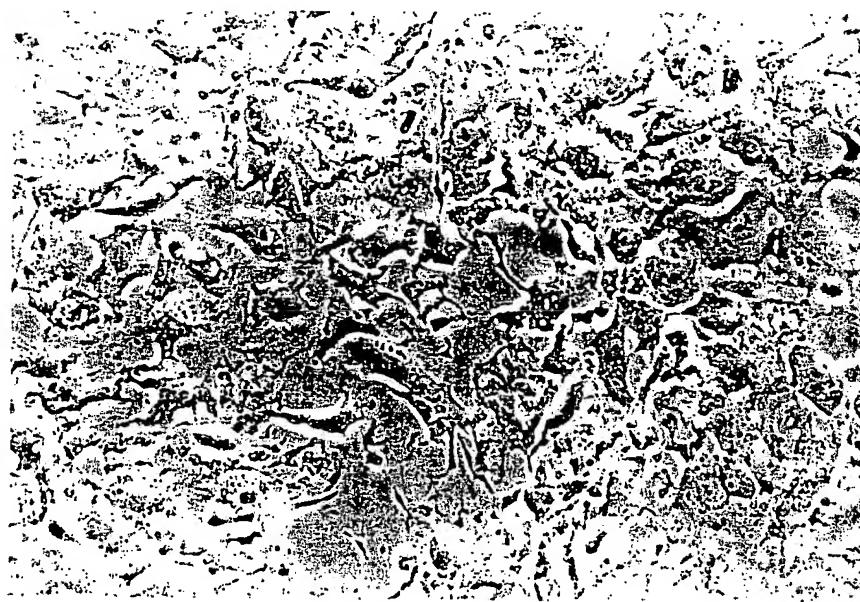


FIG. 13D

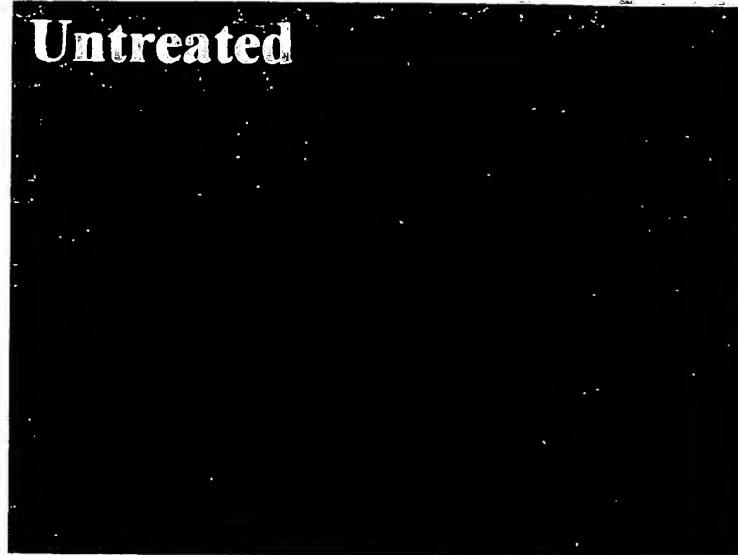
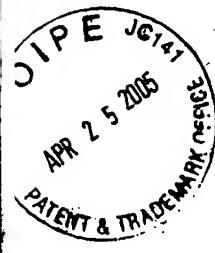


FIG. 14A



FIG. 14B

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Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"



FIG. 14C

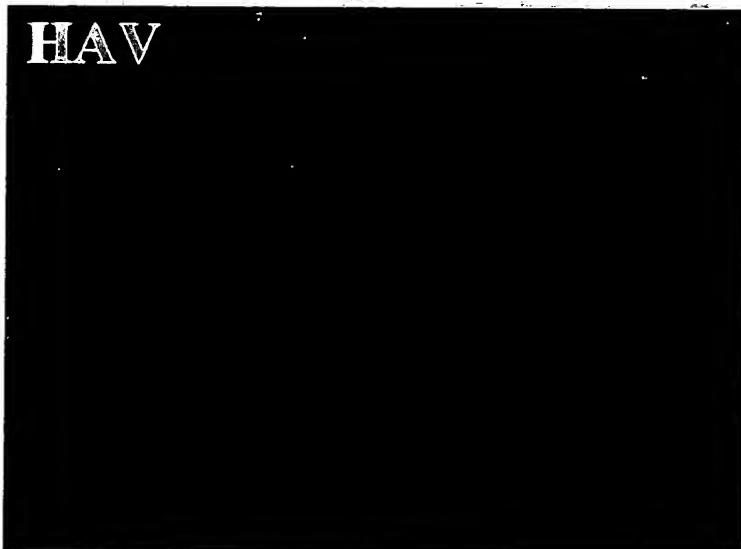


FIG. 14D

Serial No. 10/000,302 Docket No. 100006.401011
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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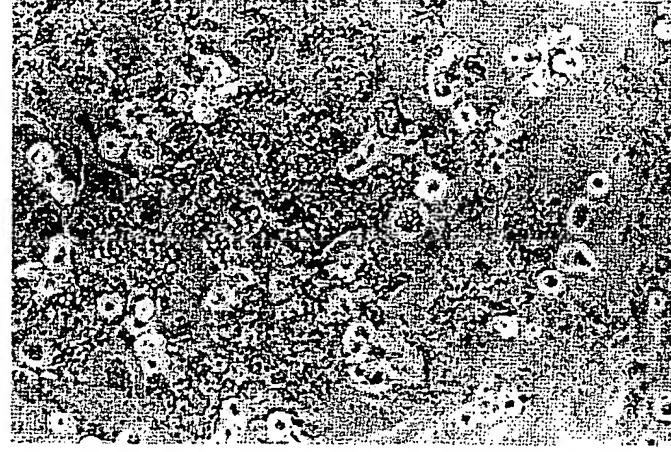


FIG. 15A

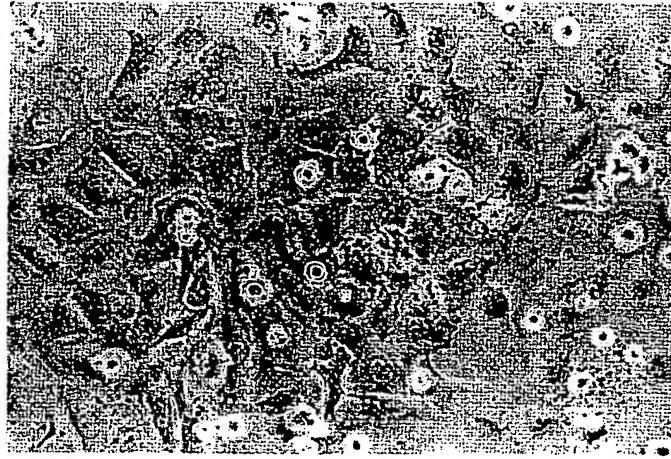


FIG. 15B

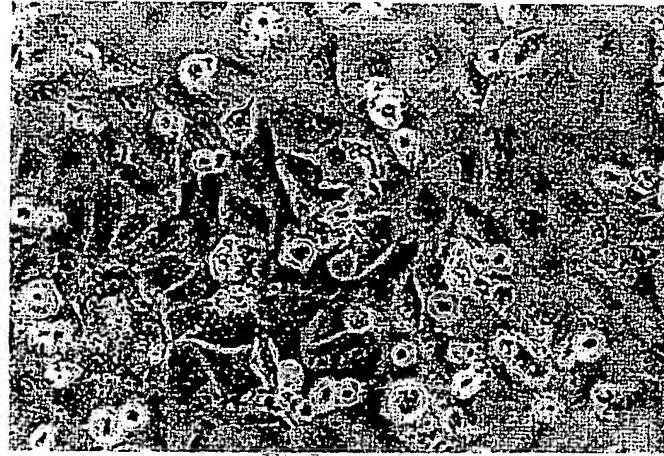


FIG. 15C

Serial No. 10/000,902 ocket No. 100080.40111
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
Express Mail No. EV335613815US "REPLACEMENT SHEET"

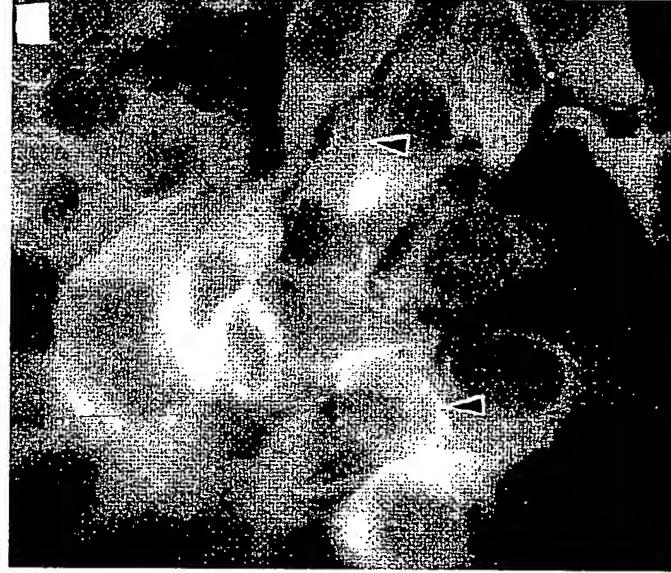


FIG. 16A

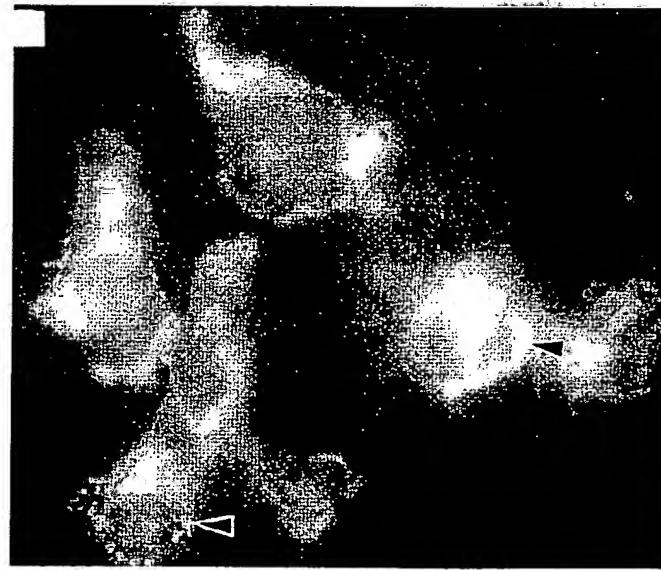


FIG. 16B

SERIAL NO. 10/006,982 DOCKET NO. 100086.401C11
Inventor(s): Orest W. Blaschuk and Barbara J. Gour
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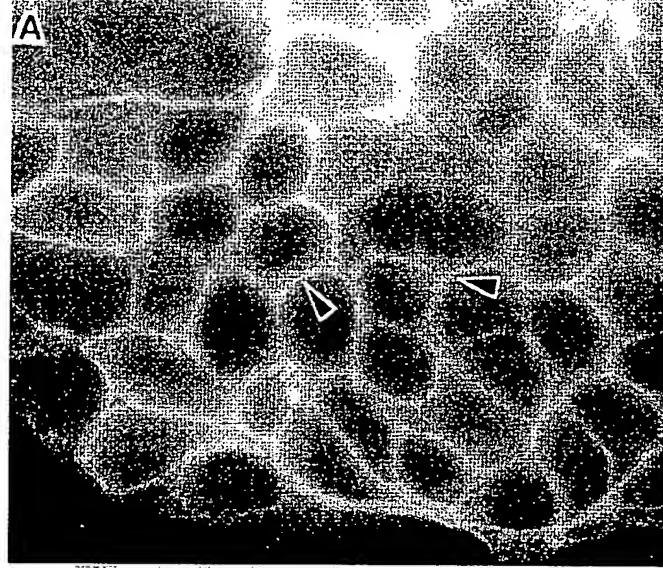


FIG. 17A

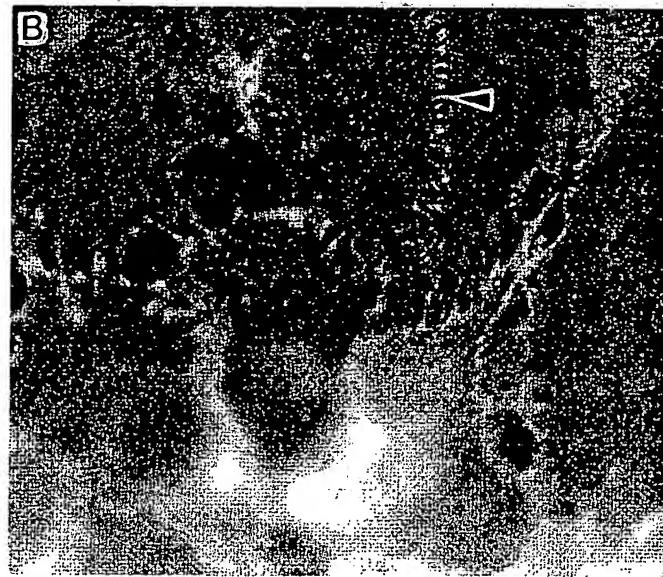


FIG. 17B